# SUPPORT GUIDE FOR NOKIA MODEM OPTIONS AND DIAL-UP for the Nokia 6100



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## Contents

INTRODUCTION	. 1
SYSTEM REQUIREMENTS	. 1
USING NOKIA MODEM OPTIONS	.2
MAKING A DIAL-UP CONNECTION	.2
	INTRODUCTION SYSTEM REQUIREMENTS USING NOKIA MODEM OPTIONS MAKING A DIAL-UP CONNECTION

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### 1. INTRODUCTION

First you must have the Nokia 6100 modem drivers installed on your computer and secondly if you wish to use High Speed Data or GPRS services you must have those services activated on your SIM card. Please also check from your GSM operator what speeds they support in their network and also if the High Speed Data is in use in that area whereas you are located. Then you also should ask from your ISP which connection methods they support and if they support ISDN v.110 is their modem pool capable of accepting as "low" speed, especially during login process, as your phone will give you. In GPRS you don't need to select any speed because the network gives you the best speed that it can depending on the network traffic.

When you are roaming in other GSM operator's network please verify that they have also GPRS roaming agreement

#### 2. SYSTEM REQUIREMENTS

To install and run the Nokia Modem Options, you need:

- An Intel-compatible PC equipped with Windows 98/98SE/Me/2000/XP
- For connection between the Nokia 6100 and a PC you need a compatible infrared or USB port in your computer



**Note:** In this guide, all references to personal computers (PC) are also applicable to laptop computers.

#### 3. USING NOKIA MODEM OPTIONS

1. Start Nokia Modem Options from My Computer – Control Panel – Nokia Modem Options.

2. Now you should get the Nokia Modem Options user interface on your desktop (Figure 1.).

Installed	Nokia Mo				efresh
GSM co	nnection -				
5	Speed (k	.bits/s)			
~	9.6	14.4	19.2	28.8	43.2
	1.	ı.	1	1	3
	Sending up to 14.4 kbits/s Receiving up to 43.2 kbits/s Connection method: C Modem				
			○ ISDN V	.110	
				.120	
GPRS D	ial-up				
	GPRS ad	ccess point			
	ОК		ncel .	Apply	Help

Figure 1. Nokia Modem Options

3. Select appropriate modem from the Installed Nokia modems list (shows only High Speed Data and GPRS compatible phones)

4. Select the desired Connection method and connection speed or if you wish to use GPRS then give the access point name (APN) which you can get from your GSM service provider and click *Apply*.

5. The selected speed will be used the next time you use Dial-Up networking with your phone via IrDA.

NOTE! You can reset the user interface by clicking Refresh button.

#### 4. MAKING A DIAL-UP CONNECTION

Nokia Modem Options and Nokia 6100 in conjunction with supporting GSM network gives you possibility to make either a normal GSM data connection or a GPRS connection.

#### 4.1 MAKING A NORMAL GSM DATA DIAL-UP CONNECTION

1. Go to My Computer – Dial-Up Networking - Make a new connection (in Win98). In Win Me go to My Computer – Control Panel – Dial-Up Networking – Make a New Connection. In Win 2000 Pro go to My Computer – Control Panel –Network and Dial-Up Connections – Make New Connection. This opens a window where you can choose the right modem and name the connection in Win98/Me (Picture 1.) and in Win 2000 Pro you see welcoming window (Picture 2.).



Picture 1. Naming the connection



Picture 2. Click <u>N</u>ext>

For Win 98/Me follow pictures 3-6 and for Win 2000 Pro follow pictures 7-11.

Make New Connection	Type the phone number for the computer you want to call Agea code: Ielephone number: 44  • 123456 Country or region code: France (33)
	< Back Next > Cancel

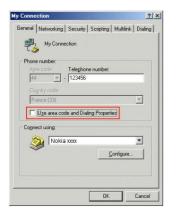
Picture 3. Enter the ISP's phone number



Picture 5. Changing connection properties (click right mouse button and choose Properties).

Make New Connection	×
	You have successfully created a new Dial-Up Networking connection called: MU Connection Click Finish to save it in your Dial-Up Networking folder. Double-click it to connect. To edit this connection later, click it, click the File menu and then click Properties.
	< <u>B</u> ack Finish Cancel

Picture 4. Click <u>N</u>ext>

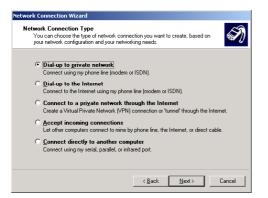


Picture 6. Please uncheck the "Use area..." if you don't need to use area or country code.

Following pictures shows steps to make a new dial-up connection in Win 2000 Pro (Pictures 7-11).



**Note:** You may get different windows and you may not need to go through as many steps as shown but just skip those steps that you don't get. Following pictures show the shortest way.



Picture 7. Choose either Dial up to private network or Dial-Up to the Internet and click <u>N</u>ext.

elect a Device This is the device th	nat will be used to ma	ake the connection	L	Ś
You have more than	n one dial-up device	on your computer.		
Select the devices t	o use in this connec	tion:		
	dem Port (SERIAL1-0 Win Modem (COM3			
	kia 6210 Cable (COI			
🗹 🧼 Modem - No	okia 8310 (COM4)			
				- 1
1				
		< <u>B</u> ack	Next>	Cancel

Picture 8. Select "Nokia 6100" and click <u>N</u>ext. NOTE! Modem list may look different depending on which option you chose in step 7.

Phone Number to Dial You must specify the pho connect to.	one number of the computer or network you want to
	of the computer or network you are connecting to. If you want ne automatically how to dial from different locations, check Use
<u>A</u> rea code:	Phone number: 123456
<u>Country/region code:</u>	×
🔲 Use dialing rules	
	< <u>B</u> ack <u>N</u> ext> Cancel

*Picture 9. Enter your ISP's phone number and click <u>N</u>ext.* 

Network Connection Wizard			
Connection Availability You may make the new connection available to all users, or just yourself.			
You may make this connection available to all users, or keep it only for your own use. A connection stored in your profile will not be available unless you are logged on.			
Create this connection: © For all users © Only for myself			
<u>≺ ₿</u> ack <u>N</u> ext> Cancel			

Picture 10. Select "For all users" or "Only for myself". NOTE! depending on which option you chose in step 7 you may need to go through more steps like setting up mail account etc.

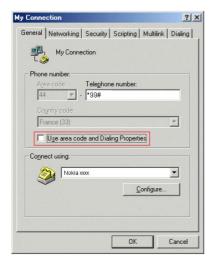


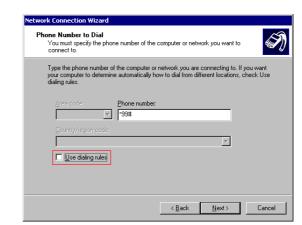
Picture 11. Name your connection and click Finish.

#### 4.2 MAKING A GPRS DIAL-UP CONNECTION

GPRS Dial-Up connection is made the same way as normal dial-up connection except that the phone number is different. You can get the settings like APN, phone number, possible Domain Name Server address etc. from your GSM operator.

Please see pictures 12 and 13 showing typical phone number when making a GPRS connection.







Picture 13.

Please notice that some operators requires you to put also information into Networking tab, but this information you will get from your GSM operator.

GPRS Connection	? ×	
General Server Types Scripting Multilink		
Phone number: Area code: Telephone number: Country code: Finland (358) Uge area code and Dialing Properties Cognect using: Nokia xxx Configure.	My Connection General Server Types Scripting Multilink Type of Dial-Up Server: PPP: Internet, Windows NT Server, Windows Advanced options:      Log on to network     Enable software gompression     Require gata encryption     Require gata encryption     Require gata encryption     Recure data encryption     Recure the protocols:     WetBEUI     P/VSPX Compatible     P/LCP/IP Se	Server assigned IP address     Specify an IP address     IP address     O O O O O O     O     Server assigned name server addresses     Specify name server addresses     Primary <u>D</u> NS: 192, 89, 123, 230     Secondary D <u>N</u> S: 192, 89, 123, 231

Picture 14. **Disable** "Enable Software compression", **Enable** "Specify name server addresses", Primary DNS: xxx.xxx.xxx, Secondary DNS xxx.xxx.xxx, **Disable** "Use IP header compression". DNS addresses you will get from your operator.